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2000-2001 MONTANA GUIDE FOR BUYING RECYCLED PRODUCTS

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Montana Department of
ENVIRONMENTAL QUALITY
Pollution Prevention Bureau
Waste Reduction and Recycling

Montana Department of Environmental Quality
Pollution Prevention Bureau

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Introduction to Buying Recycled

Why is it important to buy recycled products?

The collection of recyclables is the first step in recycling. The circle is completed when consumers buy products that are manufactured at least partly from recycled materials. Buying recycled products reduces our dependence on virgin raw materials, conserves landfill space, often saves energy over virgin manufacturing processes, and can also reduce waste and pollution. Buying recycled is required to provide support for recycling collection programs in our communities.

This guide focuses on manufacturers and distributors of recycled products in Montana. As this guide will illustrate, there is a wide array of recycled items in Montana supermarkets, discount stores, office supply stores, print shops, garden nurseries, and other businesses. Buying in-state will contribute to the local economy and help avoid the added expense and energy consumed in transporting materials from far away. Please help close the recycling loop; the next time you make a purchase, buy recycled!

What are recycled products?

Recycled products are made from material previously destined for disposal (post-consumer) or recovered from the manufacturing process (pre-consumer). Post-consumer content is that which has been previously used by a consumer, then collected through a recycling program, melted down or ground up into a marketable raw material, and remanufactured to produce a new product. Common examples of these materials include newspapers, shipping cartons, plastic bottles, glass containers, and aluminum cans. There also are products that are reused, rebuilt, reconditioned, or remanufactured. For example, auto parts stores may sell reconditioned automobile parts that have been salvaged and rebuilt. Buying these products helps to sustain local recycling collection programs. Pre-consumer products are made with waste material that is created in the manufacturing process. For example, an efficient paper manufacturer might reintroduce paper scrap into their production process and make recycled paper. This type of recycling is common practice among all manufacturers because waste is a lost product and lost profit.

"RECYCLED" symbol **"RECYCLABLE"** symbol

Products often display the three chasing arrows recycling symbols, (above). However, there is a significant difference between the two symbols. The symbol on the left with the three arrows on a dark background indicates the product or package is *made of recycled materials;* the symbol on the right with three arrows and no background indicates the product or package is *recyclable*.

When considering the purchase of products labeled "recycled," (the symbol on the left) check how much of the product or package is recycled. Also determine if the product is made with "pre-consumer" or "post-consumer" content. The higher the percentage of recycled material; the greater the support that you are providing for the recycling system and the more waste materials you are diverting from disposal.

The recycling loop is based on an economic system of supply and demand. Markets must be established for recovered materials in order for collection programs to survive. This is one reason why collection programs vary from one community to another. It is important to recognize that not all products that carry the "recyclable" symbol (the symbol on the right) will be recycled in your community. To help you plan your ahead, Keep Montana Clean and Beautiful maintains a directory of places to take goods to be recycled in Montana. See the website at: http://recyclemontana.org/where.htm, and be sure to also call your local center for up-to-the-minute collection information.

RECYCLED PRODUCTS MYTHS

1. **Recycled products are hard to find** – Many recycled products—from groceries to office supplies to toys and gifts—can be found where you currently shop. Major national retail chains (Kmart, Wal-Mart, Target, Home Depot, and others) sell hundreds of products made from or packaged in recycled material. Common products like newspaper, aluminum cans, cereal boxes, and anything made from steel.
2. **Recycled products cost more** – Many recycled products are priced competitively with their non-recycled counterparts. In fact, some are less expensive than comparable "virgin" products. Although some recycled products do cost more, an increase in consumer demand can enable manufacturers of recycled products to lower their manufacturing costs.
3. **Recycled products are always inferior in quality** – Recycled products can be the same quality, reliability and dependability as virgin products. Keep in mind that there are inferior and superior products in all categories, and that recycled products are no exception. Be sure to check warranties and standards with all products.

Adapted from: 10 Easy Ways to Buy Recycled by Joel Makower, pp.12-13 California Integrated Waste Management Board

Recycled Products Directory

APPAREL

Many items of clothing can be made from recovered cotton, recycled soft-drink bottles and other recycled materials.

Vendor	Address	Phone/URL	Product Description
Hands-On Printing	109 Commercial Dr Bozeman, MT 59715	888-587-3020 406-587-3020	Has EcoSpun® fleece vests and coats, which are made with 100% recycled plastic bottles.
The Patagonia® Outlet	34 N. Idaho Dillon, MT 59725	406-683-2580 www.patagonia.com/	Sells recycled cotton T-shirts, and Synchilla® shirts with 60% recycled content from beverage containers.
Sporting goods stores around the state.			Polartec® recycled series made of 89% post-consumer soda bottles.

AUTOMOTIVE

PARTS AND CARS

Many auto parts stores sell used parts that have been restored to a "like new" condition (through cleaning, repairing, or rebuilding). Most reconditioned auto parts come with a warranty and are often less expensive than new parts. Look in the Yellow Pages under "Automobile Parts and Supplies" for more listings.

Vendor	Address	Phone
Golden Recycling & Salvage	1100 6th Ave N Billings, MT 59101-0427	406-252-8080
Industrial Salvage & Recycling	4685 Expressway Ln. Missoula, MT 59808-1495	406-543-8891
Norms Parts & Recycling	US Highway 93 S Missoula, MT 59804	406-251-2635

RECYCLED ANTIFREEZE

Vendor	Address	Phone	Product Description
Magnum Oil Inc.	1480 Continental Dr Butte, MT 59701	406-782-8397	Available by gallon or drum.

RE-REFINED MOTOR OIL

Re-refined oil is produced through a process of separating the base lube from the sludge waste. The base lube is resold to processors who blend it with new additives and turn it back into motor oil. Purchasers should ensure the oil meets the American Petroleum Institute's (API) standards by the API logo on the label.

Vendor	Address	Phone	Product/Manufacturer Description
Allen Oil Company	P.O. Box 5990 Helena, MT 59604	406-442-7703	Carries Unocal's Firebird re-refined motor oils are multi-grade engine oils blended with the re-refined base stocks. 208.243.114.67/internet_pub/repository/lubes/2006.html
Oily Waste Processors, Inc.	172 N Manchester Rd Great Falls, MT 59404-6139	406-761-4503	Carries "Enviroil" made from re-refined base oil.
	1560 Coulson Rd Billings, MT 59101	406-248-8806	
Wal-Mart Stores	Butte, Billings, Bozeman, Great Falls, Helena, Kalispell, Miles City, Missoula, Polson		Sells "America's Choice" brand re-refined oil made by Safety Kleen Corporation www.safety-kleen.com/industry/petrol_fra.htm

TIRE RE-TREADS

Several Montana companies re-tread truck tires which are sold to consumer at one third to one half the price of new truck tires. At present there is no re-treading of passenger car tires in the state.

Vendor	Address	Phone
Dennis E. Rasmussen	210 Rhodes Draw Kalispell, MT 59901	406-257-7719
BFI	PO Box 30596 Billings, MT 59107	406-248-5400
BFI—Montana RecycleNOW	PO Box 8449 Missoula, MT 59807	406-721-1120
Glacier Truck Re-treading	229 Truck Route Columbia Falls, MT 59912	406-892-1777
Tire Rama	409 N 25 Billings, MT 59101-1347	406-248-6262

BUILDING MATERIALS

BUILDING MATERIALS FOR REUSE

The reuse of building materials offers resource-efficient alternatives, ranging from roofing to flooring, for residential and commercial construction. Salvaged materials are often re-milled or re-manufactured to meet the specific need of a project.

Vendor	Address	Phone	Product Description
Heritage Timber	PO Box 1563 Missoula MT 59806	406-244-5056	Dismantles buildings and sells salvaged materials including large timbers, rustic barn materials and utilitarian dimensional lumber.
Big Timberworks, Inc.	PO Box 368 Gallatin Gateway, MT 59730	406-763-4639 *fax:* 406-763-4818	Makes siding, paneling, moldings, stair parts, cabinets, and beams manufactured from reclaimed and re-milled lumber from the Pacific Northwest.
Timeless Timbers	PO Box 9122 Missoula, MT 59806	406-239-8860	Sells salvaged lumber and beams. Also re-mills and re-manufactures used wooden building materials

CENTER FOR RESOURCEFUL BUILDING TECHNOLOGY

CRBT is dedicated to promoting environmentally responsible practices in construction. CRBT identifies and promotes building products and methods that do more with less: provide building materials from reused, salvaged, or waste materials; provide sufficient housing with reduced resource use; and produce less pollution and waste than conventional building materials and technologies. They offer several publications and an on-line catalogue.

Center for Resourceful Building Technology Post Office Box 100
Missoula, MT 59806
406-549-7678
fax: 406-549-4100
e-mail: crbt@ncat.org
www.crbt.org

FIBERBOARD

Medium density fiberboard belongs to the hardboard family of products made from pre-consumer recycled wood fibers. The fibers are glued and cured under heat and pressure. Fiberboard is often used for kitchen cabinets, furniture, door parts and moulding.

Vendor	Address	Phone	Product/Manufacturer Description
Bridger Forest Products	21000 Frontage Road, Space G Belgrade, MT 59714	406-388-3383	Carries Plum Creek Lumber Company's medium density fiberboard from the sawdust and shavings produced in lumber and plywood operations. www.plumcreek.com
Empire Building Materials	608 E. Main Street Bozeman, MT 59771-0220	406-587-3191	*Product same as above.*
	2110 Johnson Missoula, MT 59801	406-453-4700	

Inter-mountain Wood Products	232 Arden Belgrade, MT 59714	406-388-7700	*Product same as above.*
	2676 Enterprise Avenue Billings, MT 59102	406-651-8668	
	6090 Industrial Road Missoula, MT 59808	406-542-1678	

DRAINAGE FILL MATERIAL

Vendor	Address	Phone	Product Description
Tire Depot	54830 US Highway # 93 Polson, MT 59860-9721	406-883-6111	Shreds used tires to produce drain-field filler.

INSULATION

Vendor	Address	Phone	Product Description
Big Sky Insulations, Inc.	PO Box 838 15 Arden Dr. Belgrade, MT 59714-0838	406-388-4146 800-766-3626 *fax:* 406-388-7223 www.bsiinc.com	Makes Sno-Foam expanded polystyrene insulation with up to 15 percent post-industrial plastic for walls, foundation walls, floors and roofs.
Robinson Insulation	PO Box 1419 Great Falls, MT 59403	406-453-1291	Produces fiberglass insulation with recycled glass.
Thermoguard Insulation Company	451 Charles Street Billings, MT 59101	406-252-1938 800-821-5310 fax: 406-252-5019	Makes cellulose insulation made from post-consumer recycled paper in the form of newspapers or telephone books, which are shredded and processed for use as insulation. The insulation usually contains 75-85% recycled content.

MONTANA MATERIAL EXCHANGE

The Montana Material Exchange is sponsored by the Montana Chamber of Commerce and Montana State University (MSU) Extension Service. Its purpose is to help businesses find buyers for surplus materials and to help individuals or businesses locate these materials at reasonable prices.

www.montana.edu/wwwated/mme.shtml or call 406-994-3451

WALL SYSTEMS & FOUNDATIONS

Vendor	Address	Phone/URL	Product Description
Headwaters Composites, Inc.	PO Box 1073 Three Forks MT 59752-1073	406-285-3949 *fax:* 406-285-3394 e-mail: hdwaters@imt.net http://cu.imt.net/~hdwaters/	Develops structural and non-structural composites polymer casting, and cast stone. They incorporate industrial by-products as filler in petroleum and soy-based resin systems in the manufacture of composite materials.
Timberweld	PO Box 689 Columbus, MT 59019-0689	406-322-4002	Produces glue-laminated timbers for framing, trusses, beams, I-joists, open web joists and connections.
	P.O. Box 21000 Billings, Montana 59104	406-652-3600	

COMPOST

Compost is a product resulting from the controlled biological decomposition of organic matter into humus (a nutrient rich organic material). Typically it is used as a soil conditioner to return important organic matter to the soil. Compost can also improve water retention or infiltration, reduce fertilizer requirements, reduce plant disease, and bind heavy metals in contaminated soils, among other benefits. Yard wastes such as grass, leaves, and tree clippings, log-yard wastes, and bio-solids (municipal sludge) are commonly composted wastes in Montana. The characteristics of compost are determined by the attention to oxygen, moisture, temperature and time during the composting process. Different composts have characteristics that meet the needs of different applications, e.g. soil amendment for lawn or garden, landfill cover, contaminated soil remediation.

The Composting Council has recently created a set of parameters to determine which compost products possess the characteristics needed for specific applications (compostingcouncil.org/documents/FGCU/fgcu_7.pdf). Compost providers often evaluate their own product characteristics in order to ensure a high quality product for their market. Ask your local provider for test results pertaining to maturity, organic matter content, inert material content, pH, particle size, moisture content, heavy metals, and nutrient levels. All bio-solids compost must also be tested for metal content and pathogens according to the Environmental Protection Agency regulations 40 CFR Part 503. Your local compost provider or landscaping company can help you determine the characteristics that will fit your needs.

COMPOST WITH AVAILABLE TEST RESULTS

Vendor	Address	Phone/URL	Materials Composted
Big Butte Compost Inc (Helena and Butte)	63 1/2 W Broadway St. Butte, MT 59701-9279	406-782-0190	bio-solids, sawdust and yard waste
Black Gold Top Soil	2958 Hwy 2 E Kalispell, MT 59901	406-257-7782	yard waste and sawdust
Bozeman City Landfill	PO Box 640 Bozeman, MT 59771-0640	406-582-3200	yard waste
Butte Silver Bow Landfill	155 W. Granite St. Butte, MT 59701	406-497-6200	yard waste, bio-solids and sawdust
Clark Fork Compost & Reclamation	11125 Rustic Rd Missoula, MT 59802	406-258-2934	sawdust and wood
Eko Compost	3700 Compost Rd Missoula, MT 59802-5101	406-721-1423	bio-solids, wood and yard waste; Eko is sold through landscaping companies around the state.
Glacier Gold Composting Plant	PO Box 128 Olney, MT 59927-0128	406-881-3033 www.glacier-gold.com	bio-solids and yard waste
Good Humus Compost Co.	715 Highland St Helena, MT 59601	406-449-3216	yard and barnyard waste
Great Falls Yard Waste Recycling Facility	PO Box 5021 Great Falls, MT 59403	406-771-1265	yard waste and wood chips
Mountain West Bark Products, Inc.	436 Diamond Rd. Stevensville, MT 59870-6423	406-822-4271	wood
Nature's Superior Products	P.O. Box 128 Superior, MT 59872	406-822-4971	barnyard waste and wood
Tee Compost Farm	5490 13th Street South Great Falls, MT 59405	406-454-1647	yard waste

UNTESTED COMPOST

Vendor	Address	Phone	Materials Composted
Libby Class II Landfill	418 Mineral Ave. Libby, MT 59923-1956	406-293-7781 ext.228	yard waste
Lower Flint Creek Valley Solid Waste	PO Box 102 Philipsburg, MT 59858	406-288-3555	yard and barnyard waste
Town of Culbertson Class III Landfill	PO Box 351 Culbertson, MT 59218	406-787-5271	yard waste

COMPOSTING TOILETS

Composting toilets allow human wastes to be converted into compost, which can be used to fertilize non-food plants. Both residential and commercial models are available, however both systems require local health department approval prior to installation.

Vendor	Address	Phone/URL
Advanced Composting Systems	195 Meadows Road Whitefish, MT 59937	406-862-3854 *fax:* 406-862-3855 www.compostingtoilet.com/index.htm

CONSTRUCTION PRODUCTS

GLASS AND BOTTOM ASH AGGREGATES

Aggregates are an essential ingredient of all concrete and asphalt products. Aggregates are also commonly used as "fill" materials. Aggregates consist primarily of granular materials such as sand, gravel, or crushed stone but other materials such as glass and bottom ash, a coal combustion by-product, may also be used. Glass collected for recycling typically must be color-sorted and shipped over long distances to be used in the remanufacture of containers. However, mixed-color crushed glass cullet may be reused as a substitute for sand and other aggregates locally. Currently, cullet is used in backfill, bedding, drainage, and road base/surfacing applications. Cullet also is used as an alternative source of aggregate for certain finished or pre-cast concrete products, including pavement. The crushed glass market is developing rapidly. Construction specifications are being created and supplies are becoming readily and economically available. Three communities in Montana currently crush glass to use in city road projects. Check with your local city office or sand and gravel suppliers to find out if crushed glass aggregate is available in your community.

FLY ASH CEMENT AND SOIL AMENDMENT

Crushed glass also can serve as an alternative source of silica during the production of portland cement, a fundamental constituent in concrete. During this process, the glass is fed directly into the cement kiln in place of other silica sources like sand. Both local Montana cement producers, Ash Grove Cement Company and Holnam Inc., currently employ this process. Fly Ash, resulting from the combustion of coal at coal-fired power plants, can be used as a replacement for 15 to 35 percent of the portland cement in a concrete mix by weight. Concrete products made with fly ash are reported to have better workability and performance than other materials. Fly ash and cement kiln dust also are commonly used as a soil stabilization amendment. Many communities have access to fly ash for cement projects through their local Ready Mix company. Ask to find out if it is available for your upcoming project.

Vendor	Address	Phone/URL	Product Description
ISG Resources, Inc. (formerly Mineral Specialties)	P.O. Box 80085 Billings, MT 59108-0085	406-655-5077 www.flyash.com	Markets fly-ash and bottom-ash from Corrette and Colstrip power plants.
Holnam, Inc. Northwest/Montana Region Sales Office	4070 Trident Rd Three Forks, MT 59752	406-285-3241 www.holnam.com/home.htm	Makes Envirobase® products of two partially or wholly recycled materials, including fly-ash and cement kiln dust for use as a cement additive, a soil cement for stabilization, and an absorbent to clean up spills.

Kanta Products, Inc.	130 Yellowstone Trail P.O. Box 96 Three Forks, MT 59752	406-285-3261	Produces fly ash concrete blocks.
Rocky Mountain Concrete Products	531 Sugar Ave. Billings, MT 59107	406-245-2706	*Product same as above*

FLOOR COVERINGS

TILES

Floor coverings with recycled content, such as the tiles and carpets, also represent an efficient use of resources. Discarded materials such as waste glass from the manufacture of windshields and Polyethylene Terephthalate (PET) plastic from post-consumer soft-drink bottles are being reprocessed into durable and attractive flooring products. These products are available from DuPont® dealers in Montana.

Vendor	City Location	URL	Product Description
DuPont® dealers	Billings, Bozeman, Butte, Glasgow, Great Falls, Hamilton, Havre, Helena, Kalispell, Missoula, Plentywood, Sydney	www.dupont.com/dcf/dfs/environmental/materials.html	Carries RepTile™ and CrocoTile™ resilient flooring tiles made from 100 percent recycled materials. Ask your local dealer to order this tile.

CARPET & PADDING

Carpets fibers and pads can be made from recycled materials such as soda bottles. Special cleaning and restyling programs are also a means to get "like new" recycled carpets for your business. If you don't see your local carpet dealer listed, request recycled carpet the next time you visit their store.

Vendor	Address	Phone/URL	Product Description
Steve Skains Flooring	1825 N Main Helena, MT 59601	406-442-6670	Carries brands of recycled PET (#1 plastic – soda bottles) carpet and a stone-like flooring made from recycled windshields.
Pierce Flooring & Design	1603 Brooks Missoula, MT 59801-5770	406-543-8224 www.piercefloring.com	Carries Milliken carpet that has a program called Earth Square, which reuses existing tile and restyles carpet. Their products can be special ordered. www.millikencarpet.com Sells Shaw ReNew™, a carpet fiber made with recycled plastic containers. Retrieving the equivalent of one billion soft drink bottles every year, materials are ground into flakes, cleaned, extruded into high performance yarn, and tufted into carpets. www.shawcontract.com/index.html
	1204 7th St S Great Falls, MT 59403	406-727-3832	
	1921 W. Main Street Bozeman, MT 59718	406-587-5428	
	2950 King Avenue Billings, MT 59108	(406) 652-4666	
	800 Dewey Blvd Butte, MT 59701-3222	(406) 494-3313	

SALVAGED WOOD FLOORING

Vendor	Address	Phone	Product Description
Big Timberworks, Inc.	PO Box 368 Gallatin Gateway, MT 59730	406-763-4639 *fax:* 406-763-4818 e-mail: Bigtwigoffice@imt.net	Sells re-claimed and re-milled Douglas Fir from the Pacific Northwest.
Superior Hardwoods	P.O. Box 4731 Missoula, MT 59804-9725	800-572-9601 406-251-2272	Re-mills wood for use as flooring.

PALLETS

Vendor	Address	Phone	Product Description
Johnson Brothers Recycle Yard	910 S 4th St W Missoula, MT 59801-2448	406-549-7677	Repairs old pallets.
Tri County Pallets	1825 Bench Rd Three Forks, MT 59752-9301	406-285-3365	*Product same as above*

PAPER *PRODUCTS*

Recycled paper comes in almost every form imaginable. Recycled office paper products include stationery, bond paper, copier paper, cover stock, business cards, calendars, computer printout paper, index cards, journal/ledgers, desk pads, note/memo pads, self-stick notes, and fax paper. Janitorial paper products such as toilet tissue, facial tissue and hand towels typically consist of recycled paper. Recycled paper packaging is also found in half of all boxed products on store shelves, including food, household, pharmaceutical, toy and cosmetic products. In addition to packaging, 100% recycled paperboard is also used in other products such as book covers, jigsaw puzzles, board games and greeting cards, as well as in video and CD covers.

RECYCLING PRODUCTS MYTH

Is all recycled paper brown and coarse?

No! Some "designer" recycled stationery is meant to look rough and unfinished, but most recycled paper looks just like the paper made directly from trees. Today's recycled paper comes in bright whites and a wide range of colors.

Since there are many recycled paper products and many distributors of these products, only those companies which specialize in recycled paper products are listed.

Vendor	Address	Phone/URL	Product Description
Treecycle Recycled Paper	Box 5086 Bozeman, MT 59717	406-586-5287 e-mail: info@treecycle.com www.treecycle.com	Carries only recycled paper products in small quantities or in bulk.
Yellowstone Paper Co.	20 S Broadway Billings, MT 59101-4131	406-252-3488	*Product same as above*

CORRUGATED CARDBOARD

Vendor	Address	Phone/URL	Product Description
Montana Container Corporation	1925 Dead Man's Gulch Bozeman, MT 59715	406-586-3393 www.montanacontainercorp.com	Manufactures corrugated boxes and corrugated inner packs that have recycled content.

PLASTICS

PLASTIC LUMBER AND MORE

Recycled plastic moulding, recycled lumber, and plastic/wood composite lumber can be obtained through most local building supply stores or lumberyards. These products are becoming widely popular for ranching, landscaping, and home building projects.

Recycled plastic lumber and plastic/wood composite lumber provide durable, weather-resistant, low-maintenance alternatives to solid wood for exterior applications such as fences, benches, decking, docks, retaining walls, picnic tables, and landscape borders. Plastic lumber is currently approved for use only in non-structural applications. While product performance and quality vary by manufacturer as with any product, many manufacturers do independent testing of their products. Plastic lumber manufacturers have recently formed a trade association that is working to establish industry standards and define applications for future structural uses of plastic lumber.

Manufacturers of plastic lumber use a variety of recycled feedstocks to achieve the strength, expansion, and workability characteristics that they wish their product to provide. Feedstocks can include: one type of plastic resin such as high density polyethlene (HDPE), commingled plastic resins which may include small quantities of paper and metal, or plastic mixed with recycled tire rubber or wood fiber. Plastic lumber is available in a variety of profiles and sizes, including solid and hollow core products, complex extruded profiles, and tongue and groove designs.

An on-line list of brands and their descriptions is provided to help you become familiar with the products. Your local building supply store can help you refine your needs and place an order.

Brand Name	URL	Product Description
Trex®	www.trex.com	*Trex* decking is made from reclaimed & recycled materials. There are two "ingredients" in *Trex* decking - waste wood fiber and reclaimed plastics, such as grocery sacks and stretch film.
ChoiceDek®	www.choicedek.com/homepage.html	ChoiceDek is manufactured under a patented process utilizing high amounts of recovered and recycled materials.
PlasTEAK	www.plasteak.com	PlasTEAK plastic is made out of recycled plastic (typically 1 gallon milk jugs).
Carefree®	www.carefree-products.com	The HDPE raw material utilized in Carefree Building Products is derived from post-consumer bottle waste such as milk and detergent bottles.
SmartDeck®	www.smartdeck.com	SmartDeck deck planks are composed of approximately 50% wood fibers, 50% post-consumer recycled polyethylene plastic, foaming compounds, and selected process additives.
Durawood®	www.eaglebrook.com/dw.html	Durawood® PE is a 100% plastic lumber made from purified post-consumer polyethylene, such as recycled milk jugs and water bottles.
ForeverDeck®	www.plasticlumberyard.com/foreverdeck.htm	Plastic lumber made from recycled HDPE #2, milk jug material.
Superwood®	www.super-wood.com	This product contains a mix of different plastic resins, dominated by recycled HDPE and LDPE approximately 75% by weight.

FENCE POSTS AND CURBS

Vendor	Address	Phone	Product/Manufacturer Description
Mac Arthur Co.	1916 Lampman Road Billings, MT 59102	800-735-8676 406-652-8989	Carries Xpotential plastic composite posts and curbs manufactured from 100% recycled materials.
Mac Arthur Co.	1200 Shakespeare Missoula, MT 59802	800-341-4572 406-327-9215	*Product same as above*

PLASTIC PARTS

Look for recycled plastic content on the labels of bottles, toys, containers and parts of computers, cars and appliances.

Vendor	Address	Phone/URL	Product Description
Diversified Plastics, Inc.	3721 Grant Creek Road Missoula, MT 59808	800-321-0084 *fax*: 406-728-4074 e-mail: dpi1@bigsky.net http://missoula.bigsky.net/dpi1	Supplies high-quality injection-molded and machined plastic parts.

RANCH/FARM EQUIPMENT

LIVESTOCK FEEDERS

Manufacturer	Address	Product Description
Blackbelt	RR 1 Box 12668 PO Box 487 Bridger, MT 59014	Makes livestock feeders fabricated from used tires for use as feeders, mineral bins, and water tubs.

RUBBER MATS

Vendor	Address	Phone	Product Description
Rocky Mountain Supply	310 Front Street Townsend, MT	406-266-3422 800-696-3455	Mats for bedding, stall flooring, and roof pads.

RECYCLING BINS

Vendor	Address	Phone	Product Description
Leland Home Recycling Systems	528 N Bozeman Bozeman, MT 59715	406-587-0011	Uses recycled material to manufacture bins for separating and disposing of recyclables. Designed for exterior access.

TONER CARTRIDGES

A growing number of companies sell cartridges that have been remanufactured; most types of cartridges can be remanufactured after use. This involves returning the cartridges to a factory where they are completely dismantled and cleaned, any worn parts replaced, and the drum either re-coated or replaced. They are then refilled with fresh toner, tested and sold with a guarantee. Remanufactured cartridges are often less expensive than the cost of new cartridges.

Vendor	Address	Phone
Accu-Lazer Toner Cartridge Recycling	327 2 St South, Suite 211 Great Falls, MT 59405	406-452-0111
Bart Tech	1599 Valley Forge Road Helena, MT 59601	406-443-6355
Big Sky Cartridge Re-chargers	19555 Moonlight Drive Frenchtown, MT 59834	406-626-0283
D & S Computer Services, Inc.	104 2nd St South Suite 100 Great Falls MT 59401-3600	406-454-0026

Diamond Imaging, Inc.	2801 S Russell Suite 48 Missoula, MT 59802	406-542-7760
Image Technologies	1260 W. Broadway Missoula, MT 59802	406-721-1627
Laser Care, Inc.	200 S 24 Billings MT 59101-4321	406-245-0606
Laser Cycle of Montana	720-1/2 Grand Av. Billings, MT 59101	406-259-7500
Laser Star	119 Arrowhead Trail Bozeman, MT 59718-7567	406-587-1389 800-587-1389
Northwest Lazer Re-Charge	7954 Bergren Dr Helena, MT 59602-9306	406-458-5632
Superior Business Equipment	1001 Central Ave Great Falls, MT 59401-3745	406-727-7462

MISCELLANEOUS

OFFICE EQUIPMENT AND SUPPLIES

Vendor	Address	Phone	Product Description
Montana Marketing Inc.	9 N Davis St Helena, MT 59601-4216	406-449-7446	Can order recycled memo trays, pencils, piggy banks, fly swatters and rulers.

BAGS/ACCESORIES

Vendor	Address	Phone	Product/Manufacturer Description
Planet Earth	116 Central Ave Great Falls, MT 59401-3110	406-761-7000	Carries Little Earth Products including recycled rubber duffel bags, CD cases and book covers; recycled aluminum binders, photo albums, and CD cases. www.littlearth.com
Bear Mountain Mercantile	237 Central Ave Whitefish, MT 59937-2661	406-862-8382	*Product same as above*
Montana Marketing Inc.	9 N Davis St Helena, MT 59601-4216	406-449-7446	*Product same as above*

COMPUTER DISKS

Vendor	Address	Phone	Product/Manufacturer Description
Boise Cascade Office Products	55 East Galena Butte, MT 59701	406-782-2334	GreenDisk creates a line of recycled disks from obsolete software.

TOOTHBRUSHES

Vendor	Address	Phone	Product/Manufacturer Description
2 J's Produce	105 Smelter Ave Great Falls, MT 59404-1993	406-761-0134	Sells the *Preserve*® toothbrush which has a handle made of at least 90% recycled polypropylene (20-30% post-consumer) www.recycline.com
Helena Real Food Store	501 Fuller Ave. Helena, MT 59602	406-443-5150	*Product same as above*

TRASH BAGS

Vendor	Address	Phone	Product/Manufacturer Description
Good Food Store	920 Kensington Missoula, MT 59801	406-728-5823	Carries Seventh Generation products, which include recycled plastic trash bags, laundry and dish products, and many other products. www.seventhgen.com
Totally Organic	15838 Chalwain Road St. Ignatius, MT 59865	406-745-3430	*Product same as above*

Appendix A: State and Federal Buy Recycled Achievements

These statistics demonstrate the achievements of state and federal government in buying recycled products. As large purchasers, state and federal governments have the power to create market demand for high quality recycled products. This demand increases the accessibility of recycled products for all consumers and demonstrates government efforts towards waste reduction and recycling goals.

Recycled Products in Montana State Government

The Integrated Waste Management Act of 1991 expressed an intent that state government assume a leadership role in the development and implementation of source reduction and recycling programs and in the establishment of markets for the purchase and use of recyclable materials.

- All of the state government letterhead contains 25 percent post-consumer content.
- 89 percent of Montana state government agencies use copy paper with some recycled content.
- Approximately 1/3 of the envelopes used by state agencies contain 30 percent post-consumer content.
- All "coarse" paper products (tissue, toilet paper, towels and napkins) sold through the Department of Administration Central Stores contain from 10-40 percent post-consumer content. A total of 11,155 cases were sold totaling $317,591 in Fiscal Year (FY) 1999.
- The Department of Transportation purchased 1.5 million pounds of reflective beads for pavement striping in FY 1999. The beads are manufactured from plate glass cuttings, a waste by-product material.
- The Department of Administration Central Stores sold 980 remanufactured toner cartridges in FY 1999.
- The store sold 6,787 cases of trash bags with 50 percent post-consumer content material in FY 1999.

This information was gathered through a survey administered by the Department of Environmental Quality Pollution Prevention Bureau in 1999.

Recycled Products in Federal Government

GREENING THE GOVERNMENT

In September 1998, President Clinton signed Executive Order 13101, "Greening the Government Through Waste Prevention, Recycling and Federal Acquisition," to strengthen efforts to protect the environment and promote economic growth through the purchase of recycled content and other environmentally preferable products.

- Federal agencies and government contractors have dramatically increased their purchasing of recycled content products from 5 to more than 50 since 1993.
- Federal agencies and government contractors now buy more than 50 types of recycled content products daily, which range from office supplies to building materials to re-refined oil and re-tread tires.
- Government purchases in 1997 Environmental Protection Agency (EPA) designated recycled content products exceeded $350 million, an increase of $112 million or 30 percent over the 1992 level.
- The federal government buys 20.9 billion sheets of 30 percent post-consumer copier paper a year. This equals 10 million sheets of paper used every work hour of every working day.

All of this information was gathered from the *2000 Greening the Government: A Report to the President on Federal Leadership and Progress*: www.ofee.gov/html/greening2.pdf

Appendix B: Implementing a "Buy Recycled" Program at Work

To be effective, a recycled product buying program should be a joint effort of an organization's upper management and supply/purchasing personnel and should include a wide variety of products. Organizations should also provide services such as oil recycling, and require printers and contractors to use recycled products.

The first step is for an organization to make a commitment to buy goods made with recycled material. Many groups formalize this commitment by adopting a written policy that encourages workers to become involved in the program and provides information about recycled goods and services.

Once the decision has been made, purchasing specifications should be reviewed to lift any limitations on recycled products. A program should be phased in, and workers encouraged to test the products to determine how they work. An office could join together with other organizations to participate in cooperative purchasing of recycled goods. A program should be promoted so that all employees and customers know that an office is buying recycled products. Employees should be surveyed to pinpoint and overcome any problems with delivery, performance, etc. Buyers and staff should be trained about new products and any changes in regulations and specifications. Conduct reviews of your buy recycled program and collect information on your purchases by grade, volume, price, and availability.

An office should complement its "buy recycled" efforts by promoting activities that reduce, avoid, or eliminate the production of unnecessary wastes. Establish an inventory control system for products you buy to avoid duplication. Start a waste reduction program and look for strategies that will prolong the life of your office products.

Appendix C: Publications, Information and Contacts

BUY RECYCLED PUBLICATIONS

Title	Publisher Address	Phone	Product Description
10 Easy Ways to Buy Recycled by Joel Makower	California Department of Conservation Division of Recycling 801 K Street Sacramento, CA 95814	916-445-1490	This guidebook includes useful tips, resources, and product information for consumers and businesses alike.
Beyond Bags	National Recycling Coalition-Buy Recycled Business Alliance 1727 King Street, Suite 105 Alexandria, VA 22314	703-683-9025, *fax*:703-683-9026 brba.nrc-recycle.org	A comprehensive buy recycled guide for retail grocery operations.
Buy Recycled Guidebook	National Recycling Coalition-Buy Recycled Business Alliance 1727 King Street, Suite 105 Alexandria, VA 22314	703-683-9025, *fax*:703-683-9026 brba.nrc-recycle.org	Comprehensive list of recycled products.
"Buy Recycled" Resource Listing	US Environmental Protection Agency	www.epa.gov/epaoswer/non-hw/muncpl/buyrec.htm	
Buy-Recycled Training Manual	Richard Keller, Chief of Recycling, Maryland Environmental Service 2011 Commerce Park Dr. Annapolis, MD, 21401	410-974-7254	Provides general information on developing a buy-recycled program
The Official Recycled Products Guide	Recycling Data Management Corporation, P.O. Box 577 Ogdensburg, NY 13669	800 267-0707	This directory lists manufacturers and distributors for more than 5,000 recycled products
Guide to Buying Recycled Products for Consumers and Small Business	Pennsylvania Resources Council 3606 Providence Road Newtown Square, PA 19073	610 353-1555 www.prc.org.	This guide lists 400 products made from recycled materials, shows their post-consumer content, and where to buy them: 44 pages, $4
Close the Loop. Buy Recycled.	Keep America Beautiful, Inc. 1010 Washington Boulevard Stamford, CT 06901	203 323-8987 *fax*: 203-325-9199 www.kab.org/old/loop.html	This kit allows your organization to educate others about the importance of "buying recycled." Includes a manual, video, and brochure: $40

ON-LINE BUY RECYCLED RESOURCES

Organization	URL	Publication Description
Environmental Protection Agency	www.epa.gov/epaoswer/non-hw/muncpl/reduce.htm#reduce	Reduce, Reuse, Recycle General information and how-to guidance.
Clean Washington Center	www.cwc.org/index.htm	80 different technical reports, "how-to" manuals, and other tools needed to effectively implement recycled material collection & handling, processing, and recycled-content manufacturing
Environmental Defense	www.environmentaldefense.org/pubs/Brochures/BuyRecycled/	General information on buying recycled
Pennsylvania Resources Council	www.prc.org/rpdirect.htm#national	"Buy Recycled" listings of recycled products directories

EDUCATIONAL RESOURCES

Organization	URL	Organization Description
Keep Montana Clean and Beautiful	www.recyclemontana.org	An educational site that answers frequently asked recycling questions and provides the locations of recycling centers across the state of Montana.
Montana Pollution Prevention Program	www.montana.edu/wwwated/	This site maintains information including pollution prevention for businesses, waste reduction, a youth center, a materials exchange, and lists of publications and videos.
Enviro-Rangers	www.montana.edu/wwwp2er	A web club for kids 18 and under living in Montana, North Dakota, South Dakota, Utah or Wyoming who want to help the earth by practicing Pollution Prevention (P2).
The Garbage Game	www.scpete.org/cataloggtg.htm	The Garbage Game is an environmental board game designed to raise awareness of pollution prevention, waste minimization, and common solid waste disposal practices for all ages.
The Student Center	www.epa.gov/students/	Environmental games and educational tools for students and teachers.

REGIONAL/NATIONAL RECYCLING GROUPS

Organization	Address	Phone/Fax/URL	Organization Description
Buy Recycled Business Alliance National Recycling Coalition	1101 30th St. N.W. Suite 305 Washington, D.C. 20007	202-625-6406 www.nrc-recycle.org/brba/index.htm	The (BRBA) is a group of organizations committed to increasing the procurement of recycled content products through education and leadership by example.
National Recycling Coalition (USA)	1727 King Street, Suite 105 Alexandria, Virginia 22314	703-683-9025 *fax*: 703 683-9026	The NRC is a non-profit organization representing diverse interests committed to of maximizing recycling as an integral part of waste and resource management.

Western States Recycling Coalition	121 2nd St., 4th floor San Francisco, CA 94105	415-974-6422 *fax*: 415 974-1747	The WSRC provides the exchange of information on regional and national recycling policy, and the establishment of relationships among legislative and executive officials concerned with recycling.

RECYCLING CONTACTS IN MONTANA

Organization	Address	Phone	Organization Description
Headwaters Cooperative Recycling	P.O. Box 208 Basin, Mt 59631	406-225-4128	Headwaters Cooperative Recycling's goal is to assist all Montana communities in achieving their waste reduction and recycling goals by providing education, information and assistance while developing a sustainable, convenient recycling drop-off system that anyone can replicate.
Keep MT Clean and Beautiful	PO Box 5925 Helena, MT 59604	406-443-6242	Keep MT Clean and Beautiful is a statewide recycling and solid waste education organization. Educational projects include the annual publication of the Montana Recycling Directory. Recyclemontana.org
MT Department of Environmental Quality Pollution Prevention Bureau	1520 East 6th Ave. PO Box 200901 Helena, MT 59620	406-444-5307.	The Pollution Prevention Bureau works in the areas of air quality, water quality, land conservation, and energy efficiency with the common theme of finding ways to prevent pollution before it occurs. The Bureau promotes the reduction, reuse, recycling, and composting of wastes, and works to expand the markets to use these wastes productively. The Bureau acts as a central contact to gather and distribute information pertaining to recycling activities and local contacts across the state.
Montana Pollution Prevention Program (MT P2)	MSU Extension Service PO Box 173580 Bozeman, MT 59717	406-994-3451	MT P2 offers a library of activities, videos and publications. Materials focus on Pollution Prevention, waste reduction and recycling.
National Center for Appropriate Technology	PO Box 3838 Butte, MT 59702	406-494-4572 800-428-1718	NCAT works for sustainable technologies and community based approaches that protect natural resources and assist people, especially the economically disadvantaged, in becoming more self reliant.

FREE COPIES OF THIS BOOKLET

The "2000-2001 Montana Guide for Buying Recycled Products" is available from:

Montana Department of Environmental Quality
Pollution Prevention Bureau
PO Box 200901
Helena, MT 59602
406-444-6697

Please also note that updates can be found on the web at:

www.deq.state.mt.us/ppa/p2/recycle/guide2000.html

The listings in this guide were assembled with great care, but errors, omissions and frequent changes may occur. Please contact the Pollution Prevention Bureau at 406-444-5307 if you wish to contribute any information toward the next guide.

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